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DATE MAILED: 08/21/2006

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/711,450	09/20/2004	Hussein I. Hanafi	BUR920040115US1a	5449	
30449	7590 08/21/2006		EXAMINER		
	R, OLSEN & WATTS	VU, DAVID			
SUITE 302	HILL DRIVE	ART UNIT	PAPER NUMBER		
LATHAM, NY 12110			2818		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applica	ation No.	Applicant(s)				
Office Action Summary		10/711	,450	HANAFI ET AL.				
		Examir	ier	Art Unit				
		DAVID	VU	2818				
Period fo	The MAILING DATE of this commun or Reply	ication appears on	he cover sheet with the c	correspondence ad	idress			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MISSIONS OF THE PROVISIONS SIX (6) MONTHS from the mailing date of this common period for reply is specified above, the maximum stars to reply within the set or extended period for reply eply received by the Office later than three months are patent term adjustment. See 37 CFR 1.704(b).	AILING DATE OF of 37 CFR 1.136(a). In no unication. ututory period will apply and will, by statute, cause the	THIS COMMUNICATION event, however, may a reply be tind will expire SIX (6) MONTHS from application to become ABANDONE	N. nely filed the mailing date of this c D (35 U.S.C. § 133).				
Status								
1)[\]	Responsive to communication(s) file	d on 20 Sentembe	r 2004					
2a)□	Responsive to communication(s) filed on <u>20 September 2004</u> . This action is FINAL . 2b)⊠ This action is non-final.							
3)□		,		secution as to the	e merits is			
ت (۵	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
,	4) Claim(s) <u>1-30</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
•	5) Claim(s) is/are allowed.							
6)	Claim(s) is/are rejected.							
7)	Claim(s) is/are objected to.							
8)⊠	8) Claim(s) 1-30 are subject to restriction and/or election requirement.							
Applicati	on Papers							
9)[The specification is objected to by the	e Examiner.						
10)⊠ The drawing(s) filed on <u>9/20/04</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority (ander 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the Internatio	nal Bureau (PCT F	≀ule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	t(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
	e of Draftsperson's Patent Drawing Review (F		Paper No(s)/Mail D 5) Notice of Informal F		O-152\			
	mation Disclosure Statement(s) (PTO-1449 or r No(s)/Mail Date	P10/S8/08)	6) Other:	atent Application (PT	O-192 <i>j</i>			

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U. S.C. 121:

I. Claims 1-6, drawn to a semiconductor structure classified in class 257, subclass

376.

П. Claims 7-30, drawn to semiconductor manufacturing method, classified in class

438, subclass 175.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are

distinct if either or both of the following can be shown: (1) that the process as claimed can be

used to make another and materially different product or (2) that the product as claimed can be

made by another and materially different process (MPEP § 806.05(f)). In the instant case, the

device of the group I invention could be made by a materially different process from that of the

group II invention, for example, rather than recessing the conductive layer below the top surface

of the first buffer dielectric, the mandrel layer may be selectively deposited such that an etching

process is not needed.

Because these inventions are distinct for the reasons given above and have acquired a

separate status in the art as shown by their different classification, the search required for Group

II is not required for Group I, and have acquired a separate status in the art because of their

recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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Applicant, is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143)

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(1).

If Applicant elects the invention of Group II, the application is further subject to restriction as follows:

This application contains claims directed to the following patentably distinct species of the claimed invention:

- a) Embodiment I, Figures 1A-1I.
- b) Embodiment II, Figures 2A-2D.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

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Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP §809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Vu whose telephone number is (571) 272-1798. The examiner can normally be reached on Monday-Friday from 8:00am to 5:00pm. If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith S can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAVID VU PRIMARY EXAMINER

Ghuland

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